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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/842,559	04/25/2001	Mark Rumer	05166P008	7598

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EXAMINER

JUNG, MIN

ART UNIT.	PAPER NUMBER
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2663

DATE MAILED: 01/29/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/842,559

Applicant(s)

RUMER, MARK

Examiner

Min Jung

Art Unit

2663

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4,6,7,9-11 and 13-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4,6,7,9-11 and 13-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 07 November 2002 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 3, line 3, it is not clear whether the "data" is the same "data" written into the first buffer, or it is different (subsequent) data which follows after the data (first recitation) is written into the first buffer.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4, 6-7, 9-11, 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vargo et al., US 6,477,164 (Vargo) in view of Jeng, US 5,892,768 (Jeng).

Vargo discloses a system and method for real-time data and voice transmission over an Internet network. Specifically, Vargo teaches of sending PSTN voice data by

Art Unit: 2663

packetizing and transmitting it over Internet to a destination voice terminal. See Abstract. Therefore, Vargo teaches the method of packetizing data from an inbound TDM stream as a packet having a header which includes TDM block identification information. See col. 4, lines 18-44. What Vargo fails to teach is the Packetization into an Ethernet packet. Vargo does not specify the packet format because Vargo's teaching is implemented on Internet which can include many different kinds of networks including Ethernet. Vargo suggests that his teaching can be implemented using different kinds of networks by stating; "Those skilled in the art will recognize that the transmuxes 124 and 126 may also be interconnected via an alternative network." (col. 3, line 66 – col. 4, line 1). While Vargo lacks specific teaching of Ethernet packet, Jeng teaches a converter which converts T1 frame into Ethernet packet. See Abstract. Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to implement Vargo's transmission technique using Ethernet (alternative network) as a backplane as suggested in Vargo's own teaching, and as specifically taught by Jeng in his teaching of T1 to Ethernet packet converter, to provide voice communication using PSTN (TDM) with added flexibility by facilitating the communication using Ethernet backplane.

Further, Vargo teaches the packet format including a first field (305) for writing voice data, and a second field (303 and 204) including destination field (destination PSTN address) and block identification field (sequence number).

Vargo further teaches receiving voice packets containing a plurality of gateway subpackets, and temporarily storing the subpackets in a packet input buffer 602. See col. 6, lines 5-12. From this teaching, it is clear that there are a plurality of buffer spaces

Art Unit: 2663

in the buffer 602 for storing a plurality of packets, therefore, reading on the present limitations directed to the writing of data to a first buffer and to a second buffer.

Response to Arguments

5. Applicant's arguments with respect to claims 1-4, 6-7, 9-11, 13-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2663

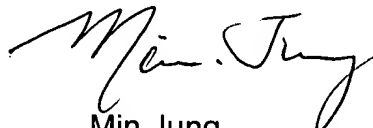
7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Cave patent, 6,175,562, the Rosenberg patent, 6,304,567, and the Petersen patent, 5,805,588 are cited for further references.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Min Jung whose telephone number is 703-305-4363. The examiner can normally be reached on Monday-Friday, 7AM-3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

MJ
January 25, 2003


Min Jung
Primary Examiner